### INTERNATIONAL SEARCH REPORT

PCT/GB2004/004145

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B01F5/00 C22B3/02 B01F3/12 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) C22B B01F IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, COMPENDEX C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category \* 1,2,11, US 4 053 142 A (JOHANNES ET AL) 11 October 1977 (1977-10-11) X figure 2; abstract 1-3 EP 0 498 024 A (ERWIN MUELLER GMBH) X 12 August 1992 (1992-08-12) figure 1; claim 1 1-4,11 DE 448 148 C (SOCIEDAD MINERA "CUPRUM") 12 March 1928 (1928-03-12) figures; page 1, lines 1-9 1-4,11 US 6 368 381 B1 (KING JAMES A ET AL) 9 April 2002 (2002-04-09) figure 3 Patent family members are listed in annex. Further documents are listed in the continuation of box C. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention "X" document of particular relevance; the claimed invention "E" earlier document but published on or after the international cannot be considered novel or cannot be considered to filing date involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or "Y" document of particular relevance; the claimed invention which is cited to establish the publication date of another cannot be considered to involve an inventive step when the citation or other special reason (as specified) document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled other means in the art. "P" document published prior to the international filing date but "&" document member of the same patent family later than the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 2 3. 06. 05 22 February 2005 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2

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C.(Continuation) Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
A	US 4 298 377 A (SZEKELY ET AL) 3 November 1981 (1981-11-03) claim 1; figures	1-4,11	
X,P	WO 03/101868 A (DYNAMIC PROCESSING SOLUTIONS PLC; DELVES, JAMES, EDWARD; YOUNG, NEIL,) 11 December 2003 (2003-12-11) figures 1 and 2		

International application No. PCT/GB2004/004145

# INTERNATIONAL SEARCH REPORT

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sneet)							
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:							
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:							
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:							
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).							
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)							
This International Searching Authority found multiple inventions in this international application, as follows:							
see additional sheet							
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.							
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.							
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:							
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  1-4, 11, 12							
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.							

#### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-4,11,12

Apparatus comprising a solvent and/or a solute inlet having a fluidising unit which creates a vortex in the solvent and/or solute, in particular suitable for the leaching of ore.

2. claim: 5

Apparatus comprising a solvent and/or a solute inlet having a fluidising unit which creates a vortex in the solvent and/or solute, in particular suitable for dissolving salt (solute) in water (solvent).

3. claims: 6-8

Apparatus comprising a solvent and/or a solute inlet having a fluidising unit which creates a vortex in the solvent and/or solute, in particular suitable for use with edible or potable solute in the food and drink industries.

4. claims: 9-10

Apparatus comprising a solvent and/or a solute inlet having a fluidising unit which creates a vortex in the solvent and/or solute, in particular suitable for pressurised treatment of seeds prior to sowing.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/GB2004/004145

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
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